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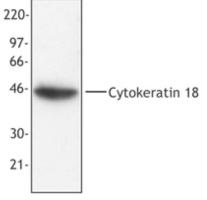
Product Data Sheet

Purified anti-Cytokeratin 18

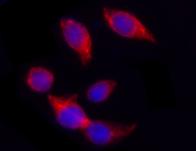
Catalog # / Size:	628401 / 25 μg 628402 / 100 μg
Clone:	DA-7
Isotype:	Mouse IgG1, κ
Immunogen:	Human breast carcinoma cell line PMC-42
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography.
Formulation:	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide at 0.5 mg/ml.
Concentration:	0.5 mg/ml
Storage:	The antibody solution should be stored undiluted at 4°C.

Applications:

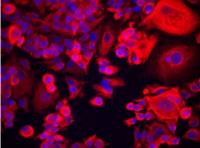
ELISA, ICC, IHC, IP - Reported in the literature	
Recommended Usage: Each lot of this antibody is quality control tested by Western blot blotting, suggested working dilution(s): Use 5 μg antibody per 5 dilution buffer for each mini-gel. For immunofluorescence micros dilution range of 1-4 μg/ml. It is recommended that the reagent b optimal performance for each application.	ml antibody scopy: Use a
Application References: 1. Taylor-Papadimitriou J, <i>et al.</i> 1989. <i>J. Cell Sci.</i> 94:403. 2. Lauerova L, <i>et al.</i> 1988. <i>Hybridoma</i> 7:495.	
Description: Cytokeratin 18, also known as keratin 18, is a type I intermediate protein with a molecular weight of approximately 48 kD. Cytoker heterotetramer composed of two type I and two type II keratins. 18 associates with cytokeratin 8 and is widely expressed in simp tissues in the adult where it is found in the cytoplasm, nucleus, a Cytokeratin 18 is associated with the cytoskeleton and mutations protein have been associated with liver disease after environmen Cytokeratin 18 can be modified by glycosylation, phosphorylation Ser53), acetylation (Ser2) and proteolytic cleavage at amino acid 397 by caspase family members. The cytokeratin 18 protein inte number of proteins including caspase 3, 14-3-3 gamma, 14-3-3 sigma 14-3-3 beta, 14-3-3 eta, keratin 5, keratin 8, TNF receptor plakophilin 2, EGF receptor, and usherin, among others. The DA monoclonal antibody recognizes human cytokeratin 18 and is us Western blotting. This antibody has also been reported to be use immunoprecipitation, immunohistochemistry (paraffin sections), immunocytochemistry, and ELISA.	ratin 18 is a Cytokeratin oble epithelial and nucleolus. s in this ental insult. on (Ser34 and ds 238 and eracts with a zeta, 14-3-3 r II, A-7 seful for
Antigen References: 1. Ku N, et al. 2003. Proc. Natl. Acad. Sci. 100:6063. 2. Kulesh DA and Oshima RG. 1989. Genomics 4:339. 3. Steinart PM and Roop DR. 1988. Ann. Rev. Biochem. 57:593.	a. 🔰
HRP Goat anti-mouse IgG (minimal Poly4053 E	Application ELISA, IHC, WB



MCF-7 cell extract was resolved by electrophoresis, transferred to itrocellulose and probed with nonoclonal anti-cytokeratin 18 ntibody (clone DA-7). Proteins were isualized using a goat anti-mouse econdary conjugated to HRP and a hemiluminescence detection vstem.



lela cells stained with purified mouse nonoclonal antibody against Sytokeratin 18 (clone ĎA-7), followed y Rhodamine Red-X conjugated onkey anti-mouse IgG and DAPI



MCF-7 cells were stained with Anci-r/ cells were stained with anti-Cytokeratin 18 (clone DA-7), followed by Alexa Fluor® 546 secondary antibody and DAPI (nuclei). Images were aquired on a Nikon FC300 inverted microscope at Nikon FC300 inverted microscope at 200 magnification. Data provided by 20X magnification. Data provided by Dr. John Nolan, La Jolla Bioenaineerina Institute.



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